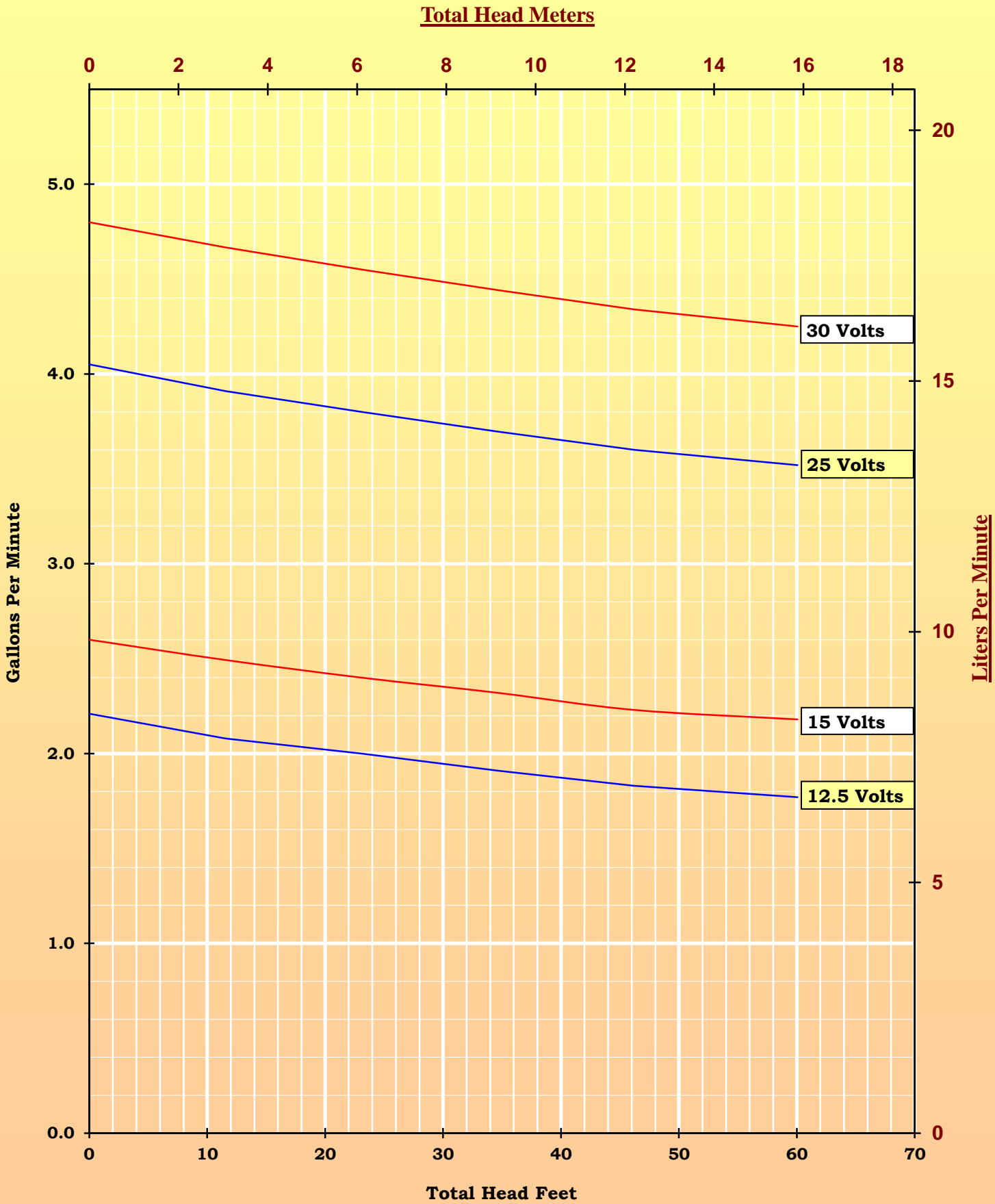


SunPumps SDS-Q-135 Submersible Pump



SunPumps SDS-Q Series Pump

Model SDS-Q-135

12 Volt Battery

| PSI | TDH Feet | TDH Meters | Pump Voltage | Pump Amps | U.S. GPM | LPM | Motor Watts | Panel Watts * | System Efficiency |
|-----|----------|------------|--------------|-----------|----------|-----|-------------|---------------|-------------------|
| 0 | 0 | 0.0 | 12.5 | 1.38 | 2.2 | 8.4 | 17 | 22 | 0% |
| 5 | 12 | 3.5 | 12.5 | 1.85 | 2.1 | 7.9 | 23 | 29 | 20% |
| 10 | 23 | 7.0 | 12.5 | 2.24 | 2.0 | 7.6 | 28 | 35 | 31% |
| 15 | 35 | 10.6 | 12.5 | 2.58 | 1.9 | 7.2 | 32 | 40 | 39% |
| 20 | 46 | 14.1 | 12.5 | 2.99 | 1.8 | 6.9 | 37 | 47 | 43% |
| 26 | 60 | 18.3 | 12.5 | 3.44 | 1.8 | 6.7 | 43 | 54 | 47% |

17 Volt Panel Direct

| PSI | TDH Feet | TDH Meters | Pump Voltage | Pump Amps | U.S. GPM | LPM | Motor Watts | Panel Watts * | System Efficiency |
|-----|----------|------------|--------------|-----------|----------|-----|-------------|---------------|-------------------|
| 0 | 0 | 0.0 | 15 | 1.47 | 2.6 | 9.8 | 22 | 28 | 0% |
| 5 | 12 | 3.5 | 15 | 1.88 | 2.5 | 9.4 | 28 | 35 | 19% |
| 10 | 23 | 7.0 | 15 | 2.25 | 2.4 | 9.1 | 34 | 42 | 31% |
| 15 | 35 | 10.6 | 15 | 2.66 | 2.3 | 8.8 | 40 | 50 | 38% |
| 20 | 46 | 14.1 | 15 | 3.01 | 2.2 | 8.4 | 45 | 56 | 43% |
| 26 | 60 | 18.3 | 15 | 3.47 | 2.2 | 8.3 | 52 | 65 | 47% |

24 Volt Battery

| PSI | TDH Feet | TDH Meters | Pump Voltage | Pump Amps | U.S. GPM | LPM | Motor Watts | Panel Watts * | System Efficiency |
|-----|----------|------------|--------------|-----------|----------|------|-------------|---------------|-------------------|
| 0 | 0 | 0.0 | 25 | 1.94 | 4.1 | 15.3 | 49 | 61 | 0% |
| 5 | 12 | 3.5 | 25 | 2.21 | 3.9 | 14.8 | 55 | 69 | 15% |
| 10 | 23 | 7.0 | 25 | 2.59 | 3.8 | 14.4 | 65 | 81 | 26% |
| 15 | 35 | 10.6 | 25 | 2.92 | 3.7 | 14.0 | 73 | 91 | 33% |
| 20 | 46 | 14.1 | 25 | 3.31 | 3.6 | 13.6 | 83 | 103 | 38% |
| 26 | 60 | 18.3 | 25 | 3.82 | 3.5 | 13.3 | 96 | 119 | 42% |

34 Volt Panel Direct

| PSI | TDH Feet | TDH Meters | Pump Voltage | Pump Amps | U.S. GPM | LPM | Motor Watts | Panel Watts * | System Efficiency |
|-----|----------|------------|--------------|-----------|----------|------|-------------|---------------|-------------------|
| 0 | 0 | 0.0 | 30 | 2.22 | 4.8 | 18.2 | 67 | 83 | 0% |
| 5 | 12 | 3.5 | 30 | 2.38 | 4.7 | 17.7 | 71 | 89 | 14% |
| 10 | 23 | 7.0 | 30 | 2.76 | 4.6 | 17.2 | 83 | 104 | 24% |
| 15 | 35 | 10.6 | 30 | 3.11 | 4.4 | 16.8 | 93 | 117 | 31% |
| 20 | 46 | 14.1 | 30 | 3.46 | 4.3 | 16.4 | 104 | 130 | 36% |
| 26 | 60 | 18.3 | 30 | 3.93 | 4.3 | 16.1 | 118 | 147 | 41% |

* Using a 20% deration factor.